

ABSTRACT

A method for producing fibre-reinforced plastic components made of dry fibre composite preforms by means of an injection method for injecting matrix material. Arrangement of the fibre composite preform (1) on one surface (11) of the preform (1) resulting in a flow promoting device (15), on a tool (3), creates a first space (10) by means of a gas-permeable and matrix-material-impermeable membrane (7) surrounding the preforms (1). Formation of a second space (27) situated between the first space and the surroundings by means of a foil (19) which is impermeable to gaseous material and matrix material, is provided, with removal by suction, of air from the second space (27) resulting in matrix material being sucked from a reservoir into the evacuated first space (10) and with the flow promoting device (15) causing distribution of the matrix material above the surface (11) of the preform (1) facing said flow promoting device (15), thus causing the matrix material to penetrate the preform (1) vertically.

(Fig. 1)